

CLAIMS

1. A gripping portion for a power tool comprising a housing and a motor within said housing for actuating an output member of the tool, the gripping portion adapted to be engaged by the hand of a user of the tool and comprising:

at least one flexible member and at least one clamping member having at least one aperture therein such that at least one said clamping member is adapted to clamp at least one said flexible member to said housing such that a gaseous vibration damping medium is retained between said flexible member and said housing such that said flexible member in use protrudes through at least one said aperture, and substantially none of said vibration damping medium is located in use between a said clamping member and said housing.

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2. A gripping portion for a power tool comprising a housing and a motor within said housing for actuating an output member of the tool, the gripping portion adapted to be engaged by the hand of a user of the tool and comprising:

at least one respective flexible sheet and at least one support, wherein the flexible sheet is adapted to be mounted to the support to retain gaseous vibration damping medium between said support and a single thickness of said sheet.


3. A gripping portion according to claim 2, wherein at least one said flexible sheet is formed from a plurality of layers.

4. A gripping portion according to claim 2, wherein at least one said support forms part of said housing.

5. A gripping portion according to claim 2, wherein at least one said gaseous vibration damping material is air.

6. A power tool comprising a housing having a handle and a motor to actuate an output member of the tool, said handle comprising a gripping portion and a chamber enclosing a gaseous vibration damping medium extending outwardly from said gripping portion, wherein, said chamber is disposed relative to the gripping portion such that both the gripping portion and the chamber are simultaneously gripped during operation of the tool.

7. The power tool recited in claim 6, said handle further comprising a cover piece made of a material which is relatively hard as compared to said gaseous vibration damping medium, said cover piece including an aperture through which said chamber protrudes, said cover piece forming at least a part of said gripping portion of said handle at the location of said cover piece.

8. A gripping handle comprising: 

a housing;

an assembly disposed on said housing and including a chamber enclosing a gaseous vibration damping medium enclosed between upper and lower layers of flexible film; and a

cover piece having an aperture, wherein,

said cover piece defines the outer surface of said handle at the location of said cover piece and said chamber protrudes through said aperture.

9. A power drill comprising:

a main body;

a handle having opposite side surfaces each defining a gripping region; and

two chambers enclosing a gaseous vibration damping medium, one said chamber protruding outwardly from said gripping region of each said opposite side surface, said chambers discreet from each other.

10. The drill recited in claim 9 comprising four said chambers enclosing a gaseous vibration damping medium, two of said chambers disposed to protrude from each said gripping region, each of said chambers discreet from each other.

11. The drill recited in claim 10, said drill further comprising two cover pieces having an aperture therethrough, one said cover piece disposed on each said opposite side surface and defining at least a portion of the gripping region of the handle at the locations of said cover pieces, each said chamber protruding through one said aperture.

12. A power sander comprising:

- a housing including a main body having an upper gripping portion;
- a drive motor disposed within said main body;
- a sanding platen extending downwardly from same main body and being driven by said drive motor; and
- a chamber enclosing a gaseous vibration damping medium, said chamber protruding from an upper surface of said gripping portion.

13. A power sander comprising:

- a housing including a main body;
- a drive motor disposed within said main body;
- a sanding platen extending downwardly from same main body and being driven by said drive motor;
- a handle extending rearwardly from said main body; and
- a chamber enclosing a gaseous vibration damping medium, said chamber protruding from an upper surface of said handle.

14. The sander recited in claim 13 comprising two said chambers enclosing a gaseous vibration damping medium, each of said chambers discreet from each other and protruding from an upper surface of said handle.

15. A power saw comprising: 

a main body including an opening therethrough to define a handle rearwardly of the opening, said housing adapted to receive a saw blade at a forward end;

a motor disposed in said main body, said motor driving said saw blade; wherein,

said handle includes a gripping portion and a chamber enclosing a gaseous vibration damping medium protruding outwardly from said gripping portion, said chamber disposed relative to the gripping portion such that both the gripping portion and the chamber are simultaneously gripped during operation of the tool.